

INTERNATIONAL SEARCH REPORT

 International Patent Classification No.
 PCT/IE 000004

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B66F9/075

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B66F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 683 973 A (HONJO YOSHIKI ET AL) 4 August 1987 (1987-08-04) claim 1	1-8
A	US 4 778 024 A (MATSUMOTO YOSHIHIRO ET AL) 18 October 1988 (1988-10-18) claim 1	1-8
A	FR 2 785 958 A (TOYODA AUTOMATIC LOOM WORKS) 19 May 2000 (2000-05-19) claim 1	1-8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the International search

26 August 2002

Date of mailing of the International search report

03/09/2002

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3018

Authorized officer

De Gussem, J

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB92/00004

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4683973	A	04-08-1987	JP	1763274 C	28-05-1993
			JP	4053730 B	27-08-1992
			JP	61235220 A	20-10-1986
US 4778024	A	18-10-1988	JP	62210171 A	16-09-1987
			JP	62210172 A	16-09-1987
			JP	62210173 A	16-09-1987
			JP	62210174 A	16-09-1987
			GB	2188294 A ,B	30-09-1987
FR 2785958	A	19-05-2000	KR	9301761 B1	13-03-1993
			JP	2000142145 A	23-05-2000
			FR	2785958 A1	19-05-2000